

File 13A2-8

Ms Ayn Schmidt
US EPA Region IX
RCRA Programs Section (T-2-1)
Toxics and Waste Management Division
215 Fremont Street
San Francisco CA 94105-2306

5 November 1988

Dear Ms Schmidt

The attached package is presented to amend the Part A application submitted by Vandenberg AFB on 7 November 1980. The treatment process involved is Explosive Ordnance Disposal (EOD) which involves open burning and open detonation of explosive wastes. Although we cannot be certain -- the military and civilian personnel involved have turned over several times since initial submission -- it appears that Process Code TO-4 was inadvertently omitted. As a result, no explanation was provided in Item III-C. Possibly, these personnel believed that EOD activities were covered by Process Code TO-3 for Waste Code D001.

Although we can't be certain of the above scenario, we do wish to clear up any ambiguity expeditiously. EOD activities are a critical part of the overall mission at Vandenberg; discontinuance, however slight, could be catastrophic to human health, property and the environment. This waste is extremely dangerous to transport. Moving it off the installation would create a health hazard for communities along transportation routes. Some of it cannot be transported due either to its nature (since portions of the installation were used by the Army as an artillery range we frequently find undetonated ordnance that is extremely sensitive to movement) or because it is classified. It is far safer to explode or burn this material in a controlled environment under the supervision of experts.

The area involved is isolated and barren. It is fenced, with appropriate warning signs. There are no nearby wetlands, and preliminary investigations indicate no ground water in the area. No environmental damage has occurred; however, we are currently conducting an analysis under the Installation Restoration Program to determine and mitigate any subsequently discovered adverse effects.

The package has been formatted in accordance with 40 CFR 270.13, titled "Contents of Part A of the permit application."

a) The activities conducted are open burning/open detonation of explosive wastes.

FUNC ADDRESS SYMBOL	LAST NAME AND DATE
CINC/CC	
VCINC/CV	
CS	
CSA	
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ETZ	Hum F
DO	
DP	
HC	
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PA	
SG	
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SP	
XO	
XP	

RETURN TO:	FUNC ADDRESS SYM	ORIGINATOR'S NAME AND GRADE	PHONE NO	TYPIST'S INITIALS	DATE TYPED
	ETC	LT CRUMMEL	6-5724	2WK	5 Nov 88

b) Owner: Vandenberg Air Force Base
Operator: 394 ICBMMS/MBAWE
Mailing Address: 1 STRAD/ET
Bldg 16109
Vandenberg AFB
CA 93437-5000
Location of Facility: Bldg number 1560
Latitude: 34 43 10.07893N
Longitude: 120 35 10.60603W

c) SIC Code: 9199

d) Operators phone: 805-865-1378/1372

e) Owned by the United States Air Force

f) The facility is not on Indian lands

g) The facility is existing, this is an amendment to Vandenberg's existing Part A application filed on 7 Nov 1980 at:

Permits Branch (E-4)
US Environmental Protection Agency
215 Fremont Street
San Francisco CA 94105

The original Part A application was for storage and treatment of Hazardous Waste. Vandenberg was issued a Part B storage permit, effective 24 Jul 86 by:

Department of Health Services
Facility Permitting Unit
Southern California Section
Toxic Substances Control Division
107 South Broadway
Los Angeles CA 90012

EPA ID Number: CA 9570025149

h) (1) See Atch 2, scale drawing of Vandenberg showing wetlands, 100 year floodplain, potable water wells, and approximate location of Explosive Ordnance Area (EOD)

(2) See Atch 3, Photographs

i) Treating, storing and disposing of hazardous waste and the design capacity is as follows:

(1) Treating: Explosive ordnance is done by detonation or open pit burning.

FUNC ADDRESS SYMBOL	LAST NAME AND DATE
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RETURN TO:	FUNC ADDRESS SYM	ORIGINATOR'S NAME AND GRADE	PHONE NO	TYPIST'S INITIALS	DATE TYPED
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(2) Storing: All storing of unserviceable ordnance and old ordnance found on base is IAW United States Air Force Regulations at the Tangair Road munitions storage area not longer than 30 days.

(3) Disposal: Any ordnance items remaining after treatment are placed in a burial pit IAW Air Force Regulations. These items (eg empty casings) cannot be transported for the same reasons discussed above.

(4) The design capacity of the EOD disposal range is as follows:

(1) 500 pounds net explosive weight (uncased)

(2) 250 pounds net explosive weight (cased)

j) (1) Specification of hazardous waste: See Atch 4

(2) Annual estimates of quantities: 5000 pounds net explosive weight.

(3) Description of processes: See Atch 5, Technical Manual, "General Instruction for Disposal of Conventional Munitions."

k) Existing Part B permit is described in g above.

l) See Atch 6, topographical map, includes sheets 36, 37, 33, and 38 of Vandenberg's master plan. Also includes a geological survey map.

m) United States Air Force explosive ordnance disposal detects, identifies, renders safe, recovers, or destroys United States and foreign explosive, incendiary and nuclear ordnance IAW United States Air Force Regulations. Nuclear ordnance is not disposed of on Vandenberg.

We are implementing contract procedures to acquire the information required for the Part B. Point of contact is Lt Crummel at 805-866-5724.

Sincerely

ORVILLE G. ROBERTSON, Colonel, USAF
Director, Environmental Management

6 Atch

1. Notification of HW Activity
EPA Form 8700-12
2. Scale drawing of Vandenberg
3. Photos of EOD area
4. Specification of HW
5. Description of Processes
6. Topographical Map

cc: 394 ICBMMS/MBawe

FUNC ADDRESS SYMBOL	LAST NAME AND DATE
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CG	
CK	
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NR	
PA	
SG	
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ETURN TO:	FUNC ADDRESS SYM	ORIGINATOR'S NAME AND GRADE	PHONE NO	TYPIST'S INITIALS	DATE TYPED



Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law (*Section 3010 of the Resource Conservation and Recovery Act*).

Comments

[illegible]

Installation's EPA ID Number												Approved		Date Received (yr. mo. day)					
C												T/A	C						
F													1						

V	A	N	D	E	N	B	E	R	G	A	I	R	F	O	R	C	E	B	A	S	E					
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Street or P.O. Box

[illegible]

City or Town															State	ZIP Code										
C 4	V	A	N	D	E	N	B	E	R	G	A	F	B							C	A	9	3	4	3	7

Street or Route Number

[illegible]

City or Town															State		ZIP Code									
C 6	V	A	N	D	E	N	B	E	R	G		A	F	B						C	A	9	3	4	3	7

Name and Title (last, first, and job title)

C	R	O	B	E	R	T	S	O	N	C	O	L	O	N	E	L	8	0	5	8	6	6	1	9	2	2
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A. Name of Installation's Legal Owner

[illegible]

VI. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to instructions.)

A. Hazardous Waste Activity		B. Used Oil Fuel Activities	
<input type="checkbox"/> 1a. Generator	<input type="checkbox"/> 1b. Less than 1,000 kg/mo.	<input type="checkbox"/> 6. Off-Specification Used Oil Fuel <i>(enter "X" and mark appropriate boxes below)</i>	
<input type="checkbox"/> 2. Transporter		<input type="checkbox"/> a. Generator Marketing to Burner	
<input checked="" type="checkbox"/> 3. Treater/Storer/Disposer		<input type="checkbox"/> b. Other Marketer	
<input type="checkbox"/> 4. Underground Injection		<input type="checkbox"/> c. Burner	
<input type="checkbox"/> 5. Market or Burn Hazardous Waste Fuel <i>(enter "X" and mark appropriate boxes below)</i>		<input type="checkbox"/> 7. Specification Used Oil Fuel Marketer <i>(or On site Burner)</i> Who First Claims the Oil Meets the Specification	
<input type="checkbox"/> a. Generator Marketing to Burner			
<input type="checkbox"/> b. Other Marketer			
<input type="checkbox"/> c. Burner			

VII. Waste Fuel Burning: Type of Combustion Device (enter "X" in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)

☐ A. Utility Boiler ☐ B. Industrial Boiler ☐ C. Industrial Furnace

VIII. Mode of Transportation *(transporters only — enter 'X' in the appropriate box(es))*

☐ A. Air ☐ B. Rail ☐ C. Highway ☐ D. Water ☐ E. Other (specify) _____

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

☐ A. First Notification ☒ B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number											
C	A	9	5	7	0	0	2	5	1	4	9

X. Description of Hazardous Wastes (continued from front)	
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A. Hazardous Wastes from Nonspecific Sources. Enter the four-digit number from 40 *CFR* Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

B. Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 *CFR* Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

C. Commercial Chemical Product Hazardous Wastes. Enter the four-digit number from 40 *CFR* Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

D. **Listed Infectious Wastes.** Enter the four-digit number from 40 *CFR* Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

E. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.21 — 261.24)

- ☐ 4 Toxic
(1000)

XI. Certification

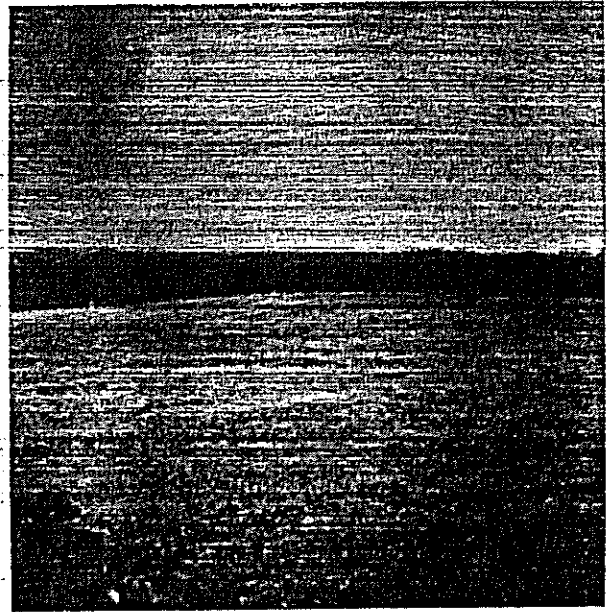
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature 	Name and Official Title (type or print)	Date Signed
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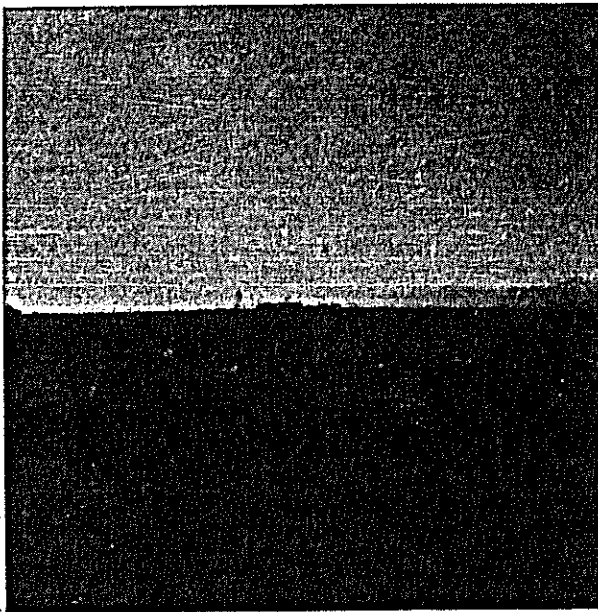
DIRECTOR, INVESTIGATIONS



Disposal Blow Hole



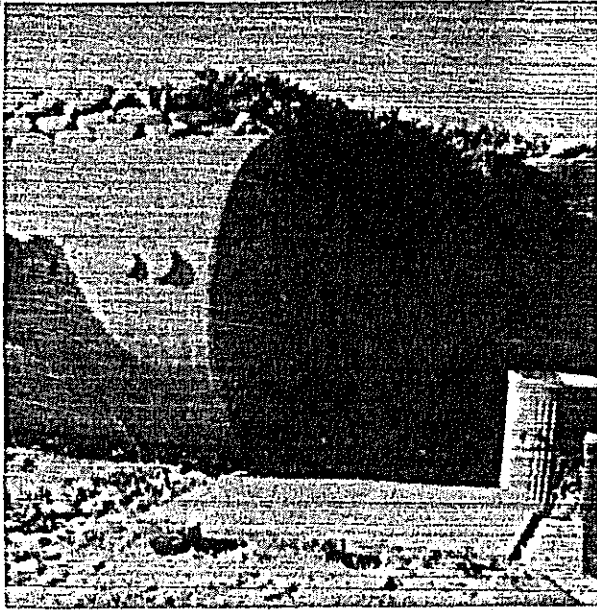
Looking North From Blow Hole



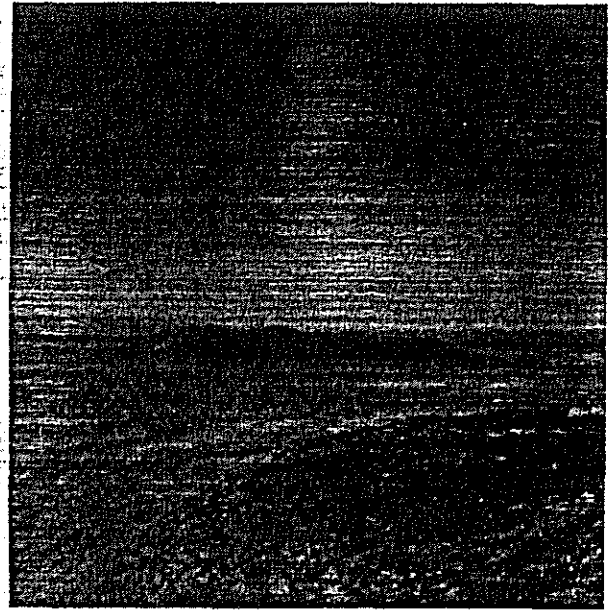
Looking South-East From Blow Hole



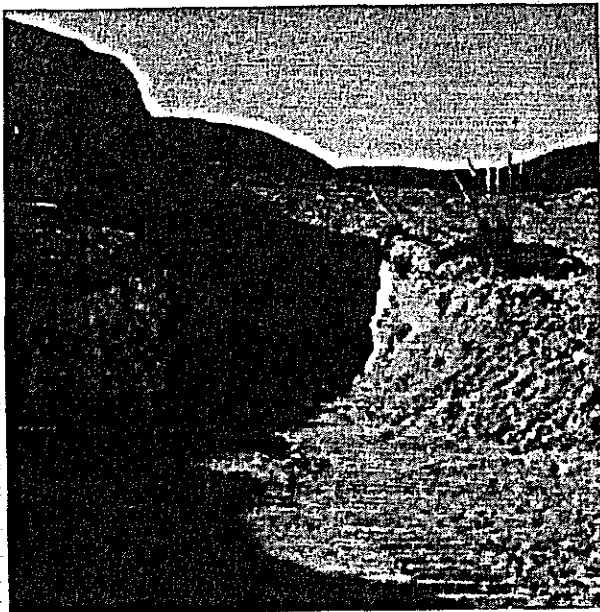
Looking West From Blow Hole



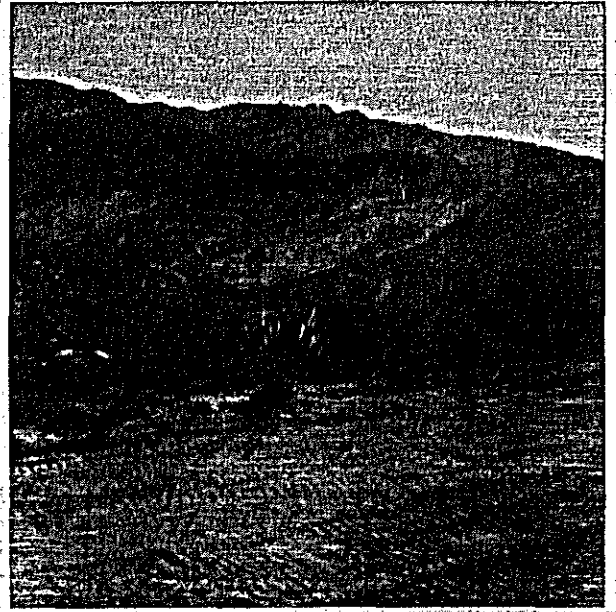
Shelter



West From Shelter



Burial Pit



Burial Pit

Different Angle

SPECIFICATION OF HAZARDOUS WASTE

<u>NOMENCLATURE</u>	<u>QTY</u>	<u>EPA WASTE CODE NUMBERS</u>	<u>WEIGHT (ea)</u>
MK 25 SEA MARKER	11 EA	D003	3 LBS
SLAP FLARE	1 EA	D001	1 LB
RETRO ROCKET MOTORS W/ IGNITER	13 EA	D001	5 LBS
.45 AND .38 AMMO	50 EA	D001	LESS THAN 1 LB
66 mm MORTAR	1 EA	D001	3 LBS
ROAD FLARES	3 EA	D001	1 LB
76 mm APT	1 EA	D001	10 LBS
MK 58 SEA MARKER	1 EA	D003	5 LBS
MK 6 SEA FLARE	18 EA	D003	5 LBS
105 mm HE PROJECTILE	1 EA	D001	10 LBS
57 MM APT	3 EA	D0001	2 LBS
TITAN SOLID PROPELLANT	49 EA	D001	49 LBS
2.36 ROCKET MOTORS	7 EA	D001	2 LBS
2.75 ROCKETS H.E.	14 EA	D001	3 LBS
75 mm H.E. PROJO	2 EA	D001	1 LB
40 mm	2 EA	D001	1 LB
M14 SMOKE GRENADES	9 EA	D001	1 LB
MK2 GRENADES H.E.	2 EA	D001	1 LB
MISC PROJO FUSES	3 EA	D001	LESS THAN 1 LB
81 mm WP	1 EA	D003	3 LBS
60 mm WP	2 EA	D003	1.5 LB
105 mm WP	1 EA	D003	7 LBS
75 mm WP	1 EA	D003	2 LBS

GENERAL INSTRUCTIONS
FOR DISPOSAL OF
CONVENTIONAL MUNITIONS

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ATTACHMENT #5

1 MARCH 1979
CHANGE 16 - 6 JUNE 1988